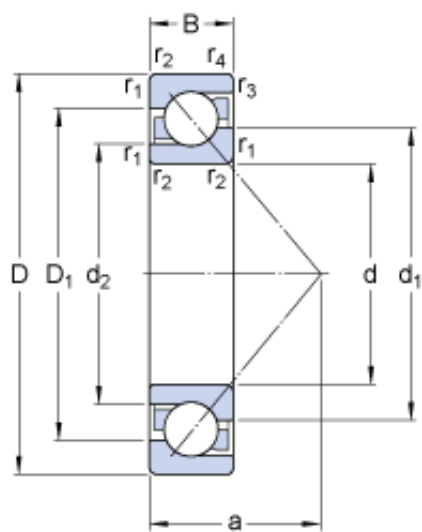




Bearing No. 7314 BECBJ

D	150 mm
d	70 mm
B	35 mm
a	64 mm
Noun	Bearing
Bore	2.756 Inch 70 Millimeter
Width	1.378 Inch 35 Millimeter
UNSPSC	31171531
series:	73
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	Open
Snap Ring	No
Size (mm)	150x70x35
Width (mm)	35
Flush Ground	Yes
Mass bearing	2.65 kg
maximum rpm:	5300 RPM
Inch - Metric	Metric
D ₁	121.5 mm
Contact Angle	40 Degree
Cage Material	Steel
d ₂	84.4 mm
d ₁	101.1 mm
closure type:	Open
Product Group	B00308
overall width:	35 mm

Keyword String	Angular Contact
contact angle:	40 °
fillet radius:	2 mm
Other Features	Normal Axial Internal Clearance
bore diameter:	70 mm
Bearing number	7314 BECBJ
Limiting speed	5300 r/min
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Reference speed	5300 r/min
Precision Class	ABEC 1 ISO P0
Outside Diameter	5.906 Inch 150 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	70MM Bore; 150MM Outside Diameter; 35MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; CB; Steel Cage; 40 Degree; 1 (Single); Univers
Manufacturer Name	SKF
outside diameter:	150 mm
precision rating:	Not Rated
outer ring width:	35 mm
Weight / Kilogram	2.723
d _a min.	82 mm
Internal Clearance	CB
Number of Bearings	1 (Single)
D _a max.	138 mm
D _b max.	143 mm
	2 mm

ra max.	
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r_b max.	1 mm
Bore Diameter (mm)	150
Outer Diameter (mm)	70
internal clearance:	C0
Calculation factor A	0.145
Calculation factor e	1.14
Calculation factor X	0.57
$r_{1,2}$ min.	2.1 mm
d_a - min.	82 mm
Minimum Buy Quantity	N/A
$r_{3,4}$ min.	1.1 mm
D_a - max.	138 mm
Mounting Arrangement	Universal
D_b - max.	143 mm
r_a - max.	2 mm
r_b - max.	1 mm
row type & fill slot:	Single-Row Non-Fill Slot
d_1 ?	101.1 mm
d_2 ?	84.4 mm
D_1 ?	121.5 mm
$r_{3,4}$ - min.	1.1 mm
$r_{1,2}$ - min.	2.1 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - X	0.35
Calculation factor - e	1.14
Number of Rows of Balls	Single Row
Manufacturer Item Number	7314 BECBJ
Basic dynamic load rating C	127 kN
radial static load capacity:	90 kN
radial dynamic load	119 kN

capacity:	
Basic dynamic load rating - C	119 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	3.9 kN
Calculation factor k_r	0.1
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor - k_a	1.6
Fatigue load limit - P_u	3.6 kN
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - k_r	0.1
Basic static load rating C_0	98 kN
Basic static load rating - C_0	90 kN